Colóquio de Física

CFUM, LIP-Minho, DF

Quarta-Feira, 10 de Outubro às 14:30h
Anfiteatro de Física, Escola de Ciências, Campus de Gualtar

How Computers and Virtual Science help to understand the Nanoworld

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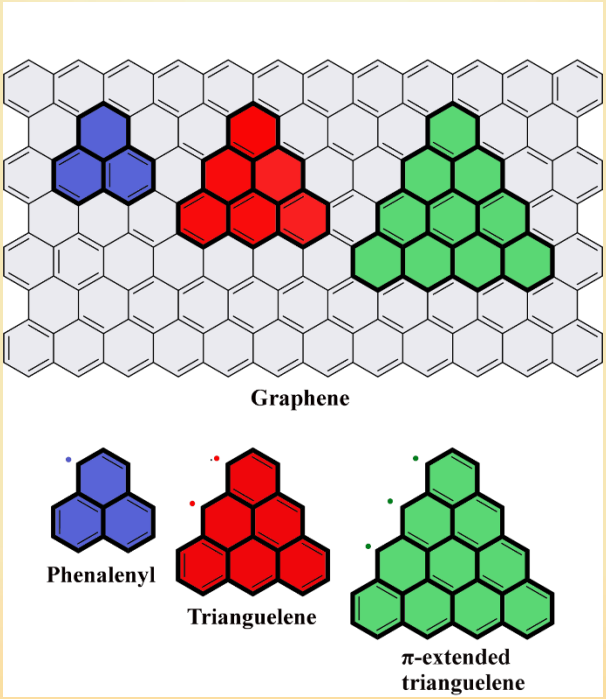

Resumo: Computer modelling has become a fundamental tool to understand and rationalize new molecules and materials. Through the years, we have applied and developed several models to explain different observations on carbon-based nanomaterials and molecules. We will show, from the experimental point of view and in a fully non-technically manner, several examples of our work on how current virtual science complements and completes experimental science. Nanomaterials ranging from polydisperse carbon nanomaterials like magnetic graphene fragments and carbon nanotubes to monodisperse, novel, bottom-up materials will be discussed.